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Electronic Patent Application Submission  
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EFS ID: 61812  
Application ID: 09752133  
Title of Invention: A VIRTUAL TRANSLATION  
LOOKASIDE BUFFER  
First Named Inventor: Gilbert Neiger  
Domestic/Foreign Application: Domestic Application  
Filing Date: 2000-12-27  
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## TRANSMITTAL

Electronic Version v1.1

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<b>Title of Invention</b>	<b>A VIRTUAL TRANSLATION LOOKASIDE BUFFER</b>									
<p>Application Number: 09/752133 </p> <p>Date: 2000-12-27</p> <p>First Named Applicant: Gilbert Neiger</p> <p>Confirmation Number: 8717</p> <p>Attorney Docket Number: 042390.P9771</p>										
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	us-ids.dtd									
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<b>Comments</b>										



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

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	11	5555385	1996-09-10	Osisek
	12	5555414	1996-09-10	Hough et al.
	13	5574936	1996-11-12	Ryba et al.
	14	5604805	1997-12-18	Brands
	15	5633929	1997-05-27	Kaliski
	16	5752046	1998-05-12	Oprescu et al.
	17	5796835	1998-08-18	Saada
	18	5935247	1999-08-10	Pai et al.
	19	5956408	1999-09-21	Arnold
	20	5978475	1999-11-02	Schneier et al.
	21	6044478	2000-03-28	Green
	22	6088262	2000-07-11	Nasu
	23	6093213	2000-07-25	Favor et al.
	24	6131166	2000-10-10	Wong-Isley
	25	6175924	2001-01-16	Arnold
	26	6188257	2001-02-13	Buer
	27	6282650	2001-08-28	Davis
	28	6275933	2001-08-14	Fine et al.

## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20010027511	2001-10-04	Wakabayashi et al.			
	2	20020147916	2002-10-10	Strongin et al.			
	3	20020166061	2002-11-07	Falik et al.			
	4	20020169717	2002-11-14	Challener			
	5	20030074548	2003-04-17	Cromer et al.			
	6	20030126453	2003-07-03	Glew et al.			
	7	20030159056	2003-08-21	Cromer et al.			
	8	20030188179	2003-10-02	Challener et al.			

Signature

Examiner Name	Date